

Respectfully submitted,

FINNEGAN, HENDERSON, FARABOW,
GARRETT & DUNNER, L.L.P.

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By: Rebecca McNeill
Rebecca M. McNeill
Reg. No. 43,796

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FINNEGAN
HENDERSON
FARABOW
GARRETT &
DUNNER LLP

1300 I Street, NW
Washington, DC 20005
202.408.4000
Fax 202.408.4400
www.finnegan.com

APPENDIX TO AMENDMENT OF JANUARY 22, 2002

VERSION WITH MARKINGS TO SHOW CHANGES MADE

AMENDMENTS TO THE CLAIMS

18. (Amended) A plant growth factor peptide obtained by collecting cells from liliaceous plants, incubating the collected cells in a plant cell cultivation medium, and separating said plant growth factor peptide from the cells through centrifugation.

19. (Amended) A plant growth factor peptide, wherein the plant growth factor peptide has the following physico-chemical properties:

- a) it is [easily] soluble in water, but is hardly soluble in ethanol and acetone;
- b) it is acidic;
- c) it keeps 70% of its activity, after being heated at 100°C for 10 minutes and it is [deactivated] inactivated, after being autoclaved at 121°C for 20 minutes;
- d) it is a polar substance, and is not retained in reversed-phase columns with Cosmosil 75C₁₈-OPN and Diaion HP-20;
- e) it is stable at pH of 3 to 9, but at pH 11, its activity is reduced to 60%;
- f) it is [deactivated] inactivated by Pronase E, but [its activity] it is [still kept even when treated with] not inactivated by Glycosidases "Mixed"; and
- g) it is [strongly] adsorbed to DEAE Sephadex A-25 ion-exchange resin (and eluted with 1000 mM KCl), but it is not adsorbed [at all] to CM Sephadex C-25.